General Notes:
One sample vial for the VOC analysis was received broken for 1202005-16. One sample bottle for the Oil & Grease analysis was received broken for 1202005-11. Analysis was completed on the remaining vials and bottles.

One cooler that contained the samples for 1202005-12 (VOAs only), -13, -20, and -26 was received with the temperature blank vial broken. However, the cooler was packed with ice and the sample containers were cool to the touch. All remaining samples were received at proper temperature.

Metals Analysis Note:
The result for arsenic for sample 1202005-08 was qualified estimated 'J' due to the laboratory duplicate quality control check sample result outside of criteria.

The result for manganese for sample 1202005-14 was qualified estimated 'J' due to the laboratory matrix spike quality control check sample result outside of criteria.

The result for nickel for sample 1202005-34 was qualified estimated 'J' due to the laboratory duplicate quality control check sample result outside of criteria.

Copper was detected in the field blank (FB18). Therefore, as required for this project, several sample results were qualified "B" when the values for copper were less than 10X the value reported for the field blank.

The laboratory control sample (BS1) result for tin was outside of the higher criteria limit. Since all sample results were less than the quantitation limit, there is no impact on the data.

SVOAs Analysis Note:
For this project two additional compounds are added to the SVOC analysis; 2-methoxyethanol and 1-methylnaphthalene. A separate calibration curve is used for these compounds with quality control requirements per the On-Demand protocol. For 2-methoxyethanol, the analysis is also being completed on each sample using the HPLC/MS/MS technique (Glycol analysis). Since SVOC extraction efficiencies are problematic for 2-methoxyethanol, the results from the HPLC/MS/MS technique should be used for these samples.

For all samples, quantitation limits for 2,4-dinitrophenol and 2-methoxyethanol are elevated due to zero percent recovery in the low-spike quality control check (BS1). For several samples, quantitation limits for 3,3'-dichlorobenzidine and 4,6-dinitro-2-methylphenol are elevated due to zero percent recovery in the low-spike quality control check. For all samples, quantitation limit for pentachlorophenol is elevated due to low percent recovery in the low-spike quality control check. For several samples, quantitation limits for 4,6-dinitro-2-methylphenol, 3-nitroaniline, 4-chloroaniline, and atrazine are elevated due to low percent recovery in the low-spike quality control check. Results for most of the mid-level spike quality control check (BS2) are within acceptance limits; therefore, quantitation limits are raised to the mid-level value. For several samples, 3,3'-dichlorobenzidine and 2-methoxyethanol are qualified "R" due to zero percent recovery in the mid-level spike quality control check. In the report, only 16 compounds are reported for blank spike quality control check samples. Quality control information about the additional spiked compounds is available in the case file.

For 1202005-10, the matrix spike duplicate exceeded quality control requirements for several analytes; therefore, matrix spike duplicate results are qualified estimated "UJ".

For 1202005-33, internal standard counts are low; therefore, quantitation limits were qualified estimated "UJ".

Results for a limited number of parameters found in all samples are qualified "B" due to contamination found in either the method blank, field blank, or equipment blank.

Blank spike results for several compounds are slightly above the high end of the acceptance window; which has no impact on the data.

VOA Analysis Note:
A low level second source blank spike analyzed at a concentration of 2 ug/L had a recovery of 88%. A mid level second source blank spike analyzed at a concentration of 10 ug/L had a recovery of 112%. Matrix spike/matrix spike duplicate analysis was performed for samples 1202005-10 and 1202005-33. Matrix spike recoveries for sample 1202005-10 were 96% and 126%. Matrix spike recoveries for sample 1202005-33 were 200% and 108%.

Acetone results greater than 2 ug/L are qualified estimated "J" since the initial calibration curve was outside of acceptance limits for this compound.

A mid-level second source blank spike for target compounds was analyzed and two compounds were outside the criteria. These compounds were not detected in the samples and there is no impact to the results.

The matrix spike analyses for target compounds had several recoveries outside criteria. Recoveries were low for two compounds, acetone, and bromomethane. Acetone results are qualified estimated "J" as previously described. Bromomethane was not detected in the samples. Evaluation of additional quality control indicates the loss of bromomethane from the spiking solution; this does not impact the reported quantitation level. Three recoveries were high and six measures of reproducibility (RPD) were outside criteria. The source samples were non-detect for these compounds hence no impact to data quality.

In addition to the Tentatively Identified Compounds (TICs) reported, two samples exhibited a large peak that eluted too early in the chromatograph to estimate concentration. The mass spectra profile is consistent with the presence of propane (93% probability). The samples are 1202005-34 (Sta. HW03) and 1202005-36 (Sta. HW03z).

TDS Analysis Note:
As required for this project, sample results were qualified "B" when the TDS value was less than 10X the value reported for contaminated blanks. All samples with detectable results were qualified "B" due to the field blank (FB16) contamination.

Oil and Grease Analysis Note:
The quantitation limit for all samples was qualified estimated 'UJ' due to the laboratory minimum reporting limit quality control check, one matrix spike, and one blank spike outside of criteria limits.